

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

PCT

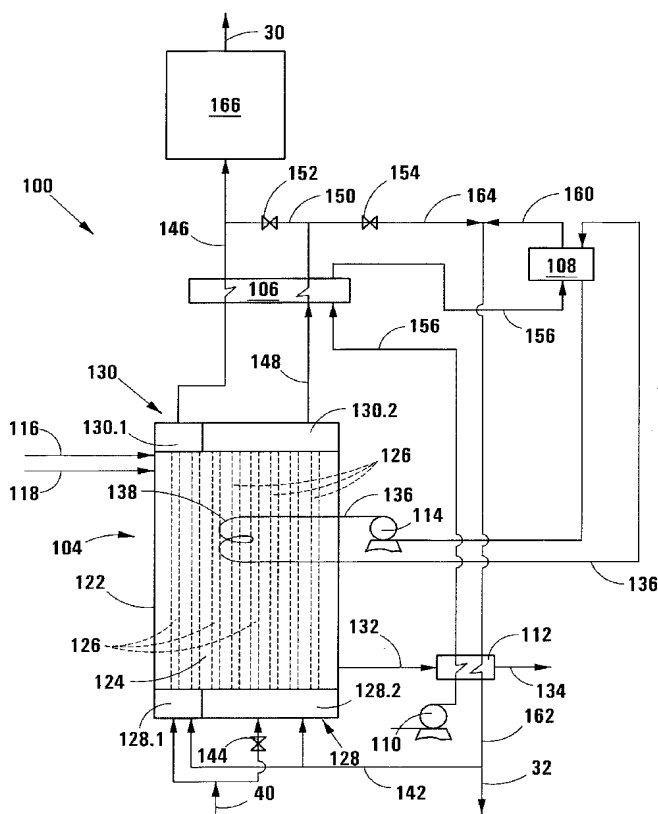
(10) International Publication Number
WO 2005/082776 A2

- (51) International Patent Classification⁷: **C01B**
- (21) International Application Number:
PCT/IB2005/050565
- (22) International Filing Date: 14 February 2005 (14.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/546,152 20 February 2004 (20.02.2004) US
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: SUPPLY OF STEAM AND HYDROGEN TO A PROCESS OR PLANT PRODUCING SYNTHESIS GAS



(57) Abstract: A method of supplying steam and a hydrogen feedstock to a primary process for producing synthesis gas includes, in a reformer of a secondary process which comprises a plurality of catalyst containing reforming passages, combusting a fuel to heat all of the reforming passages, whilst producing a hot synthesis gas by reforming a hydrocarbonaceous gas in the presence of process steam in some of the catalyst containing reforming passages only. The hot synthesis gas is cooled to produce steam which is supplied to the primary process. The cooled synthesis gas is treated to produce a hydrogen feedstock which is supplied to the primary process. The reforming passages not producing hot synthesis gas are cooled by passing a cooling medium through them and the hot synthesis gas exiting some of the reforming passages is separated from the cooling medium exiting other reforming passages.

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SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

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